



DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 20310

30 JAN 1996



MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Implementation of the Army Technical Architecture

References:

- a. Army Science Board briefing to Chief of Staff, Army, 1 Sep 1994.
- b. Memorandum, DACS-ZA/SARD, 28 Sep 94, Subject: 1994 Army Science Board Study: Technical Architecture for Army C4I.
- c. Department of the Army C4I Technical Architecture, Version 3.1, 31 March 1995.

Reference c established interoperability standards for Army C4I systems. This version of the Army Technical Architecture (ATA), Version 4.0, expands its scope to include all systems that produce, use, or exchange information electronically.

The ATA was developed by collaboration among the Army Staff, Army Systems Engineering Office (ASEO), Army Science Board, MACOMs and PEOs/PMs. It supports not only the Army Enterprise Strategy, but has also been selected as the basis for development of a Joint Technical Architecture to support the Joint Warfighter Community. This version of the ATA is based on the DOD Technical Architecture Framework for Information Management (TAFIM Version 2.0), the DOD Directive 8320-series governing data standardization, and our initiative toward a more streamlined acquisition process. It mandates the use of a DOD Common Operating Environment (COE) for software development, the use of specific network protocols and message formats for data transport, the use of the Defense Data Dictionary System (DDDS) for data management and the use of IDEF for information modeling. It also establishes soldier-machine interface standards and delineates standards for information security. The ATA capitalizes on the substantial investment by U.S. industry in information technologies and will evolve through participation with DOD, Industry and International standards organizations to identify and reinforce emerging trends and standards that will beneficially impact the interoperability of Army systems. All non-commercial standards mandated in the ATA have met the DOD Commercial Standards Policy and are waived. A request for waiver or exception to policy is not required.

Each Milestone Decision Authority (MDA), Major Army Command (MACOM), Program Executive Officer (PEO), Program or Product Manager (PM), Advanced Technology Demonstration (ATD) Manager, Advanced Concept and Technology Demonstration (ACTD) Manager, and Advanced Concept and Technology (ACT) II Manager is responsible for compliance with this ATA. System developers will comply with the ATA in order to ensure that products meet interoperability, performance, and sustainment criteria. Combat developers will use the ATA in developing requirements and functional descriptions. Battle Labs will use the ATA to ensure that the fielding of their "good ideas" is not unduly delayed by the cost and time

required for wholesale reengineering to meet interoperability standards. Compliance with ATA standards will be included as an evaluated requirement in all acquisitions.

All migration plans, which identify program cost, schedule and performance impacts in complying with the ATA will be submitted to the Army Digitization Office (ADO). The ASEO will review the plans to determine architectural compliance, evaluate conformance to interoperability objectives and use of proper engineering principles in determining schedule and performance impacts. An updated version of the Migration Plan Support System (MPSS) software will be available soon and should be used for future migration plan submissions. Detailed guidance on the procedure for migration plan submittal, for new or revised plans, will be provided at the Migration Plan Summit to be held by the ADO in Feb 1996. Guidance on migration plan costing will be provided in the ADO Memorandum, Subject: Digitization Programs Data Call, to be issued NLT end of month January 1996.

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Our ultimate objective is to provide the Warfighter with a seamless flow of timely, accurate, accessible, and secure information that gives our forces a decisive edge.

/signed/

Gilbert F. Decker
Army Acquisition Executive

/signed/

Ronald H. Griffith
General, United States Army
Vice Chief of Staff

Attachment

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